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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

L60A SINGLE SERIES

Jameco Part Number 221508 (L60A24-P1JU)

.FULL RANGE AC INPUT
.COMPACT SIZE, LIGHT WEIGHT
.BUILD IN EMI FILTER
.FULLY ENCLOSED PLASTIC CASE
.PWM CONTROL CIRCUIT
.100% FULL LOAD BURN-IN TEST
.DC OUTPUT PLUG OPTION
.APPROVALS:UL/CUL/TUV/FI/D/N/S/T-MARK/FCC/CE

.NO LOAD INPUT POWER <=2W
.LOW COST, HIGH RELIABILITY
.SHORT CIRCUIT PROTECTION
.OVER LOAD PROTECTION
.OVER VOLTAGE PROTECTION
.1 YEAR WARRANTY

ORDER NO. / SPECIFICATION		L60A05-yyy	L60A12-yyy	L60A19-yyy	L60A20-yyy	L60A24-yyy
SAFETY MODEL NO.		LAD6019A55	LAD6019AB5	LAD6019AKW	LAD6019AG3	LAD6019AE2
DC OUTPUT VOLTAGE		5V	12V	19V	20V	24V
OUTPUT V. TOLERANCE		±5%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT		5.0A	5.0A	3.6A	3.2A	2.0A
OUTPUT CURRENT RANGE		0.5-5.0A	0.5-5.0A	0.4-3.6A	0.3-3.2A	0.2-2.0A
RIPPLE & NOISE		100mVp-p	120mVp-p	200mVp-p	200mVp-p	240mVp-p
LINE REGULATION		±1%	±1%	±1%	±1%	±1%
LOAD REGULATION		±5%	±3%	±3%	±3%	±3%
OUTPUT POWER	NORMAL LOAD	20W	42W	42W	42W	42W
	MAX. LOAD	25W	60W	68.4W	64W	48W
EFFICIENCY		70%	78%	82%	80%	80%
DC VOLTAGE ADJ.		FIXED				
INPUT VOLTAGE RANGE		90~264VAC 47~63Hz				
AC CURRENT		1.5A @115VAC 0.75A @230VAC				
INRUSH CURRENT		COLD START < 50A PEAK @230VAC				
LEAKAGE CURRENT		<0.75mA @240VAC				
OVERLOAD PROTECTION		HICCUP MODE, RESET:AUTO RECOVERY				
OVER VOLTAGE PROTECTION		YES, CLAMP BY ZENER PROTECTION				
TEMP. COEFFICIENT		±0.03% / ℃ (0~50℃) @115VAC INPUT				
SETUP, RISE, HOLD UP TIME		800ms, 50ms, 8ms @115VAC INPUT				
VIBRATION		10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES				
WITHSTAND VOLTAGE		I/P-O/P:3KVAC 1min. I/P-FG:1.5KVAC 1min.				
ISOLATION RESISTANCE		I/P-O/P: 100M Ohms min. I/P-FG:100M Ohms min@500VDC				
WORKING TEMP., HUMIDITY		0℃~+40℃ @ 100% NORMAL LOAD, 50℃ @ 60% LOAD, 20%~90% RH				
STORAGE TEMP., HUMIDITY		-20℃~+85℃, 10%~95% RH				
DIMENSION		110*62*29.5mm (L*W*H)				
WEIGHT; Q'TY/CARTON		300g; 40PCS/CARTON				
SAFETY STANDARDS		UL1950, CSA22.2, IEC60950				
EMC STANDARDS		FCC, PART 15, CLASS B, CISPR22 CLASS B, EN61000-4-2,3,4,5,6,11, EN61000-3-2,3, ENV50204				
LENGTH OF OUTPUT CABLE		STANDARD CABLE:180cm OF AWM1185, 18AWG*2C WITH BEAD CORE(OPTION)				
PLUG OF DC OUTPUT		STANDARD PLUG P1J:2.1¢*5.5¢*11mm,TURNING FORK TYPE, CENTER POSITIVE (yyy:OUTPUT CABLE AND CONNECTOR,TO BE DEFINED BY CUSTOMER)				

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ 70% RH. AMBIENT.
2.TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

2003-01-28